



**STATE OF TENNESSEE
DEPARTMENT OF HEALTH
ENVIRONMENTAL LABORATORIES**

TDH: Lab Services JRL
Lab Services - Jackson Regional Lab
Jackson, TN 38301
731-426-0686

TDH: Lab Services KRL
Lab Services - Knoxville Regional Lab
Knoxville, TN 37920
865-549-5201

TDH: Lab Services NCL
Lab Services - Nashville Central Lab
Nashville, TN 37243
615-262-6300

Sent To: Paula Plont
TDEC-DOR
Knoxville Field Office
3711 Middlebrook Pike
Knoxville, TN 37921

Lab ID: K00002094
Knoxville Regional Laboratory

Sampling Agency: TDEC: Division of Remediation

Billing Code: 327.38-05

This is to certify that the following results were determined using
good laboratory practices and in accordance with federal or state
approved methodologies.

Bob Read

Analytical Supervisor

Lab-Sample Number: K00002094001
Project Name: 73-501
Sample Description: Landfill Location 1
Sampler Project Name: TVA-KINGSTON
Project Site No.: 73-501
Station No.: TVK-SL-11
Date/Time Collected: 01/12/2009 11:37
Sampler's Name: Lee Barron
County: ROANE - 73
Sample Matrix: Solids
EFO: Knoxville
Sampling Agency: TDEC-DOR
Billing Code: 327.38-05
Send Report To: TDEC-DOR
Agency Invoiced: TDEC-DOR
Priority Date:
Date/Time Received: 01/12/2009 13:35
Received By: E McCrary

TEST: Gamma solids		METHOD: EPA 901.1				
ANALYTE	RESULT	UNITS	*ERROR	DL	ANALYZED BY:	DATE
Bi-214	5.96	pCi/g dry wt	0.16		W Moore	1/27/2009
Pb-214	6.52	pCi/g dry wt	0.15		W Moore	1/27/2009
K-40	19.36	pCi/g dry wt	0.88		W Moore	1/27/2009
Ac-228	3.76	pCi/g dry wt	0.24		W Moore	1/27/2009
Bi-212	3.08	pCi/g dry wt	0.42		W Moore	1/27/2009
Pb-212	3.765	pCi/g dry wt	0.095		W Moore	1/27/2009
Tl-208	1.239	pCi/g dry wt	0.071		W Moore	1/27/2009

TEST: Gross alpha-beta solids		METHOD:				
ANALYTE	RESULT	UNITS	*ERROR	DL	ANALYZED BY:	DATE
Gross alpha	16.8	pCi/g dry wt	2.7	0.34	W Moore	1/16/2009
Gross beta	10.0	pCi/g dry wt	1.3	0.63	W Moore	1/16/2009

* Represents \pm error value

Lab-Sample Number: K00002094002
Project Name: 73-501
Sample Description: Landfill Location 2
Sampler Project Name: TVA-KINGSTON
Project Site No.: 73-501
Station No.: TVK-SL-12
Date/Time Collected: 01/12/2009 12:10
Sampler's Name: Lee Barron
County: ROANE - 73
Sample Matrix: Solids
EFO: Knoxville
Sampling Agency: TDEC-DOR
Billing Code: 327.38-05
Send Report To: TDEC-DOR
Agency Invoiced: TDEC-DOR
Priority Date:
Date/Time Received: 01/12/2009 13:35
Received By: E McCrary

TEST: Gamma solids			METHOD: EPA 901.1			
ANALYTE	RESULT	UNITS	*ERROR	DL	ANALYZED BY:	DATE
K-40	14.62	pCi/g dry wt	0.71		W Moore	1/30/2009
Bi-214	3.12	pCi/g dry wt	0.12		W Moore	1/30/2009
Ac-228	2.91	pCi/g dry wt	0.14		W Moore	1/30/2009
Tl-208	1.080	pCi/g dry wt	0.063		W Moore	1/30/2009
Pb-212	2.628	pCi/g dry wt	0.079		W Moore	1/30/2009
Pb-214	3.58	pCi/g dry wt	0.11		W Moore	1/30/2009

TEST: Gross alpha-beta solids			METHOD:			
ANALYTE	RESULT	UNITS	*ERROR	DL	ANALYZED BY:	DATE
Gross alpha	25.0	pCi/g dry wt	4.8	0.71	W Moore	1/17/2009
Gross beta	6.5	pCi/g dry wt	1.2	0.66	W Moore	1/17/2009

* Represents \pm error value